

<sup>13-</sup>JAN-2017 14:55 E:\TIPProjects-I\I5000\Structures\FinalPlans\Culvert \*5\I5000\_SMU\_CU\_5.dgn tbarbour

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## F. A. PROJECT No. IMF-085-1(113)17 ASSUMED LIVE LOAD ----- HL-93 OR ALTERNATE LOADING. FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET. 3" Ø WEEP HOLES INDICATED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS. CONCRETE IN PHASE 1 CULVERT TO BE POURED IN THE FOLLOWING ORDER: 1. PHASE 1 WING FOOTINGS, FLOOR SLAB AND CURTAIN WALL

2. THE REMAINING PORTION OF PHASE 1 WALLS AND PHASE 1

CONCRETE IN PHASE 2 CULVERT TO BE POURED IN THE FOLLOWING ORDER: 1. PHASE 2 WING FOOTINGS, FLOOR SLAB AND CURTAIN WALL TO THE CONSTRUCTION JOINT INCLUDING 4" OF PHASE 2

2. THE REMAINING PORTION OF PHASE 2 WALLS AND PHASE 2

FOR CONSTRUCTION SEQUENCE, SEE EROSION CONTROL PLANS.

THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE CARE OF THE FILL.

DIMENSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL

TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL, SPACED TO LIMIT THE POURS TO A MAXIMUM OF 70 FT.LOCATION OF JOINTS SHALL BE SUBJECT TO

AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALLS AND BOTH FACES OF INTERIOR WALLS ABOVE LOWER WALL CONSTRUCTION JOINT. THE SPLICE LENGTH SHALL BE AS PROVIDED IN THE SPLICE LENGTH CHART SHOWN ON THE PLANS.EXTRA WEIGHT OF STEEL DUE TO THE SPLICES SHALL BE PAID FOR BY THE CONTRACTOR.

AT THE CONTRACTOR'S OPTION HE MAY SUBMIT, TO THE ENGINEER FOR APPROVAL, DESIGN AND DETAIL DRAWINGS FOR A PRECAST REINFORCED CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE CULVERT SHOWN ON THE PLANS. THE DESIGN SHALL PROVIDE THE SAME SIZE AND NUMBER OF BARRELS AS USED ON THE CAST-IN-PLACE DESIGN.FOR OPTIONAL PRECAST REINFORCED CONCRETE BOX CULVERT.SEE SPECIAL

THE CONTRACTOR SHALL PROVIDE INDEPENDENT ASSURANCE SAMPLES OF REINFORCING STEEL AS FOLLOWS: FOR PROJECTS REQUIRING UP TO 400 TONS OF REINFORCING STEEL, ONE 30 INCH SAMPLE OF EACH SIZE BAR USED, AND FOR PROJECTS REQUIRING OVER 400 TONS OF REINFORCING STEEL, TWO 30 INCH SAMPLES OF EACH SIZE BAR USED. THE BARS FROM WHICH THE SAMPLES ARE TAKEN MUST THEN BE SPLICED WITH REPLACEMENT BARS OF THE SIZE AND LENGTH OF THE SAMPLE, PLUS A MINIMUM LAP SPLICE OF THIRTY BAR DIAMETERS. PAYMENT FOR THE SAMPLES OF REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

THE 15" DIA. PIPE THROUGH THE SIDEWALL OF THE CULVERT SHALL BE LOCATED BY THE ENGINEER. THE REINFORCING STEEL SHALL BE FIELD BENT AS NECESSARY TO CLEAR PIPE.

A 3 FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR CULVERT DIVERSION DETAILS AND PAY ITEM, SEE EROSION CONTROL PLANS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

PROJEC	T NO. GAST DN: 18	<u> </u>	- <u>500(</u> CO 00 -R	) UNTY PD- *445
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH TRIPLE 8 FT. X 10 FT. RCBC 66°-00'-00" SKEW				
REVISIONS SHEET NO.				
NO. BY:	DATE:	NO. BY:	DATE:	C-19
1 2		3 4		TOTAL SHEETS 26
	PROJEC STATIC SHEET 1 OF DEPA TRIF 6	PROJECT NO. GAST STATION: 18 SHEET 1 OF 7 DEPARTMENT TRIPLE & 66°-0	PROJECT NO. <u>I</u> GASTON STATION: 18+50.C SHEET 1 OF 7 STATE OF NORTH CAR DEPARTMENT OF TRAN RALEIGH TRIPLE 8 FT. C66°-00'-00 RCBC 66°-00'-00	PROJECT NO. <u>I-5000</u> <u>GASTON</u> CO STATION: 18+50.00 -R SHEET 1 OF 7 BRIDGE DEPARTMENT OF TRANSPORTA RALEIGH TRIPLE 8 FT. X 10 RCBC 66°-00'-00" SKE